Inventor: Douglas J. Cameron Docket No.: 3PD-P104 1/9

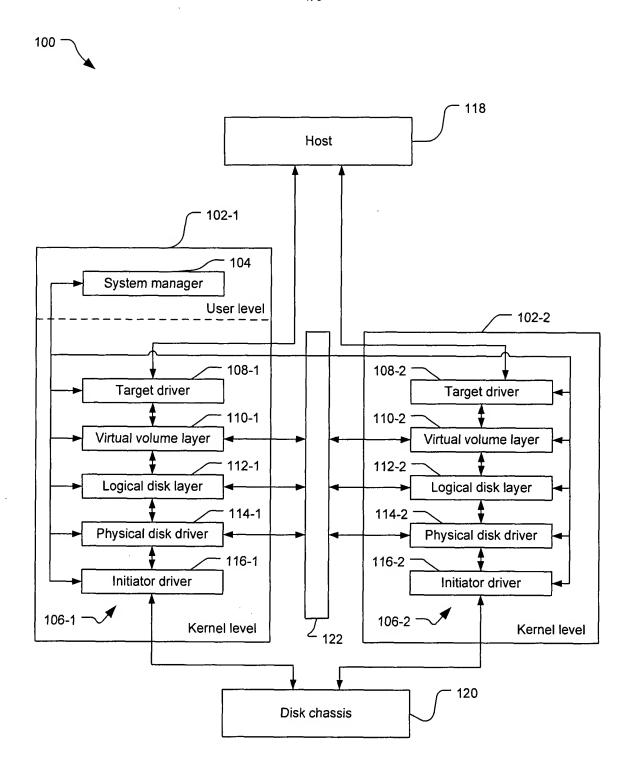


Fig. 1

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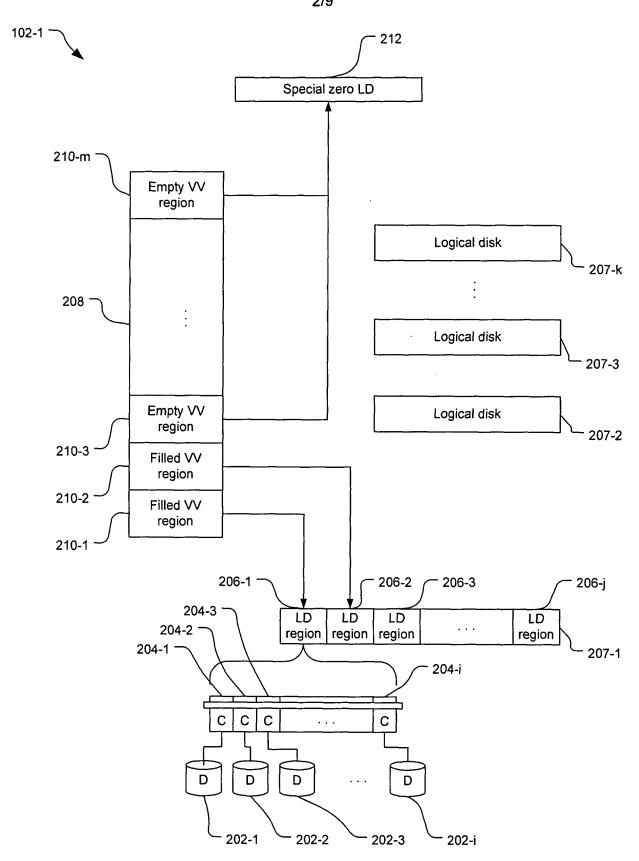
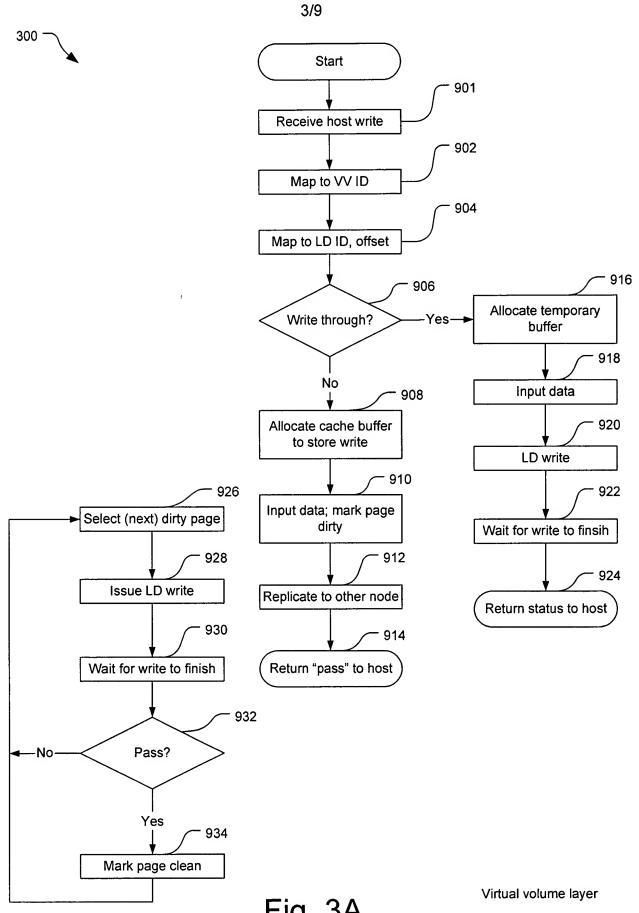


Fig. 2

Title: "ON-DEMAND ALLOCATION OF PHYSICAL STORAGE FOR VIRTUAL VOLUMES"

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300

Logical disk layer

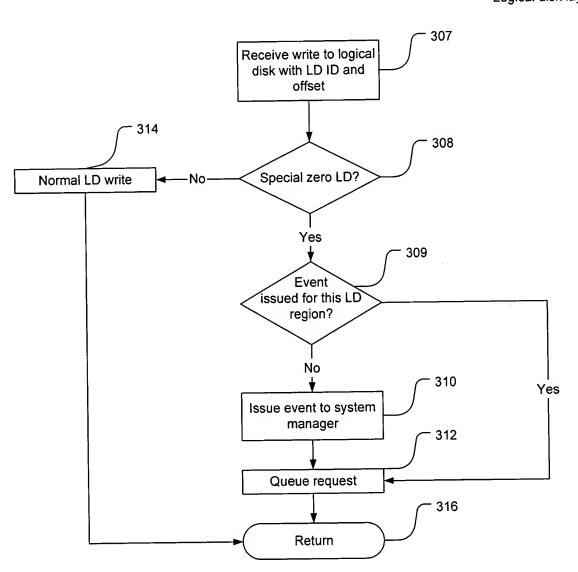


Fig. 3B

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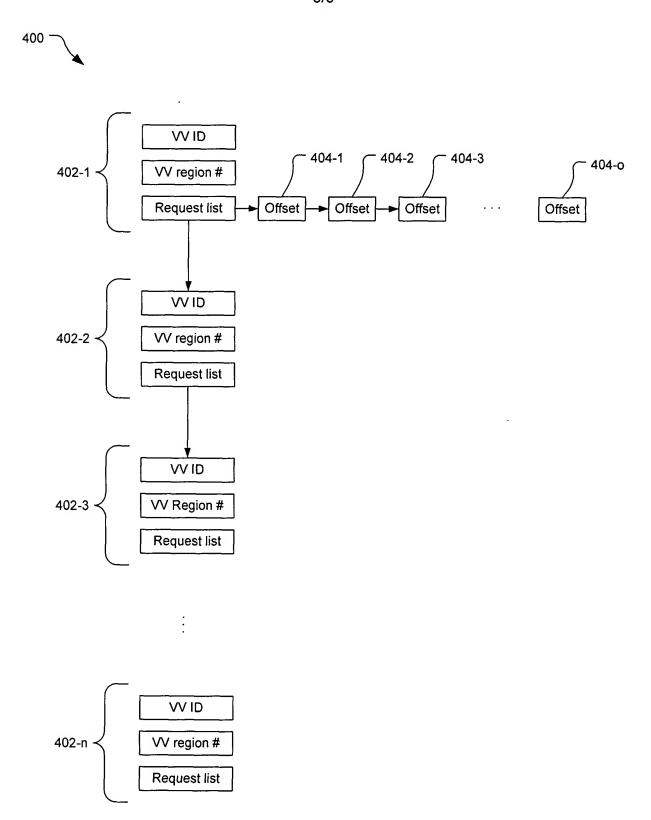


Fig. 4

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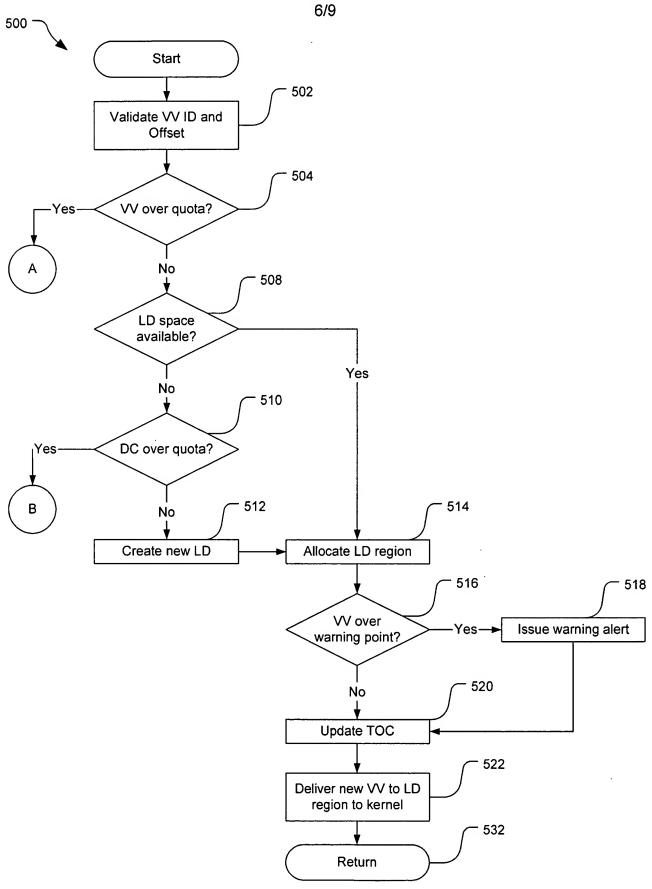


Fig. 5A

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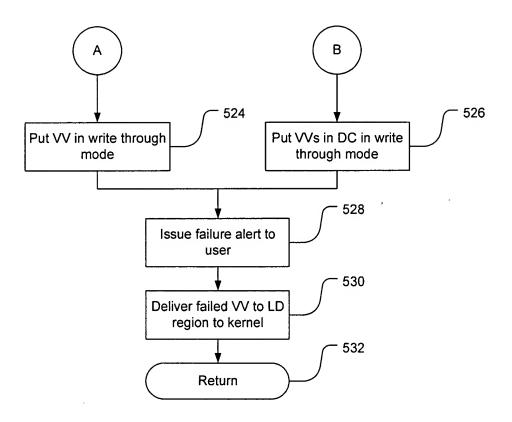


Fig. 5B

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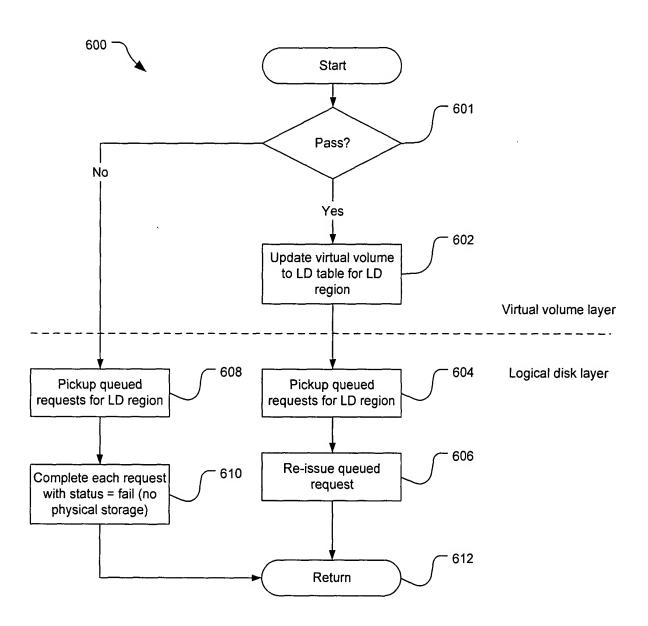


Fig. 6

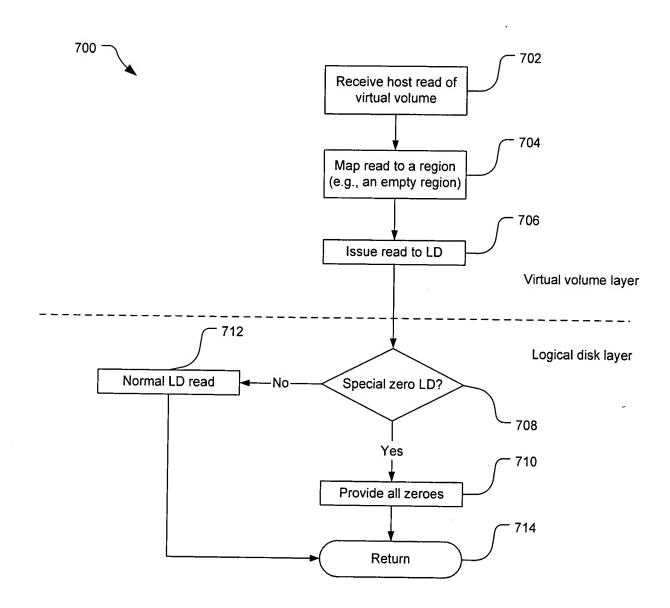


Fig. 7